

TORO®**Count on it.**

Groundsmaster® 360

Quad-Steer™ 2WD

F E A T U R E S

- Quad-Steer™ True all-wheel steering
- Kubota® 24.8 hp, 3-cylinder, liquid-cooled diesel engine
- 72" width of cut in either side discharge, rear discharge, or Guardian® Recycler® configuration
- Mowing/transport speed range: 0-10 mph (0-16 km/h)
- Integrated direct-drive transmission with hydraulically actuated wet multi-disc PTO clutch
- Improved operator comfort with isolated seat platform
- EPA Tier 4 Final compliant

Seriously advancing the way you cut grass.

The Toro Groundsmaster 360 2WD models have been repowered with a 24.8 hp (18.5 kW) Kubota® 3-cylinder diesel engine to comply with EPA Tier 4 Final regulations. This machine utilizes revolutionary Quad-Steer™ all wheel steering to maximize productivity. Climb hills without slipping.

Make 180° turns without tearing turf. Hug the turns or side hills while mowing in total comfort. Save time without sacrificing quality. Intuitive controls and unparalleled maneuverability turn work into play. But this is no toy. It's a performer in every sense of the word. A higher quality of cut, speed and efficiency, lasting dependability. Surprisingly, the world's most exhilarating mower is also the most efficient. The Groundsmaster 360 is the science and the art of mowing, a sensory experience you simply have to feel for yourself.

**4**
TIER

Groundsmaster® 360 2WD Specifications*



GROUNDMASTER 360 – 2WD, TIER 4 DIESEL, MODELS 31228, 31229		
ENGINE	Kubota,® 3-cylinder, liquid-cooled diesel. Power: 24.8 hp (18.5 kW) gross, at rated speed of 3000 rpm. Torque peak: 71.5 (52.7) Nm (lbs-ft) @ 2200 rpm. Displacement: 1123cc. High idle: 3200 rpm no load (uninstalled) 3100-3200 installed. Remote-mounted 5" Donaldson® air cleaner. Fuel filter/water separator. EPA Tier IV Final Compliant.	
FUEL CAPACITY	13.5 gallons (51.1 liters) diesel. Biodiesel Ready for use up to B-20 (20% biodiesel and 80% diesel blend).	
TRACTION DRIVE	Independent high-torque, low-speed wheel motors with 280 cc displacement. Dual pump hydrostatic drive system with optional differential lock.	
TIRES	Front & Rear: (All 4 tires and wheels are the same part number) 23/10.5x12 6 ply pneumatic tubeless, demountable and interchangeable. Tread Kenda K500 TL similar to "Toro Tuff Trac".	
AIR CLEANER	Dry, replaceable primary element.	
GAUGES	Hour meter, fuel gauge, indicator lights for glow plugs, high coolant temperature, battery charge, and low oil pressure. Automatic shutdown for high coolant temperature. Two wheel steer lockout indicator light on 4WD units.	
CONTROLS	Ignition switch, hand-throttle, foot-operated traction pedal with mowing speed control stop, service brake with parking brake latch, switch for raising and lowering cutting unit.	
GROUND SPEED	Transport and Mow: Forward 0-10 mph (0-16 km/h), variable. Reverse 0-8.5 mph (0-13.7 km/h), variable.	
RADIATOR	Rear mount, cross flow, 6.5 fins per 1" (25 mm), 8 quart (7.6 liter) capacity	
MAIN FRAME	Rectangular structured steel tube and high strength steel plate welded construction.	
BRAKES	Service Brake: Foot pedal with dynamic braking through hydrostatic transmission. Parking Brake: foot actuated brake lever with two 8" (20.3 cm) diameter drum brakes mounted on the rear wheel motors.	
STEERING	Quad Steer™ all wheel steer with four wheel Ackermann steering. Two turns Lock to Lock controlled via steering wheel and automatic synchronizing hydraulic cylinders.	
ELECTRICAL	12-volt, 40 amp internal regulated alternator/generator charging @ 3150 rpm. Battery: BCI Group No. 34, 690 cold cranking amps @ 0° F (-17.78° C).	
INTERLOCKS	Prevents engine from starting unless traction pedal is in neutral and deck is disengaged. If operator leaves seat with deck engaged, engine stops. If operator leaves the seat with the unit out of neutral, engine stops. Engine stops if parking brake engaged and traction pedal not in neutral. High temp (PTO shuts down but engine remains running), Over temp (engine shuts down).	
SEAT	High back cushion vinyl seat with drain hole, deluxe low profile mechanical suspension, 4" (10 cm) fore-aft travel with an additional 44 mm (1.75") foreword adjustment, armrests standard, retractable seat belt, lateral shock absorption.	
OPERATOR AREA	Operator platform with isolated operator seat (all models). Storage area behind operator seat, 12-volt power outlet, cup holder.	
HYDRAULICS/COOLING	3 gallon (11.4 liter) capacity, suction spin-on filter mounted to transmission, oil cooler 6.5" x 17"x 3.5" (16.5 cm x 43.2 cm x 8.9 cm). Bar and Plate Core; 6.5 serpentine fins per 1" (25 mm).	
PTO CLUTCH	Hydraulically actuated wet multi disc clutch.	
ROLL-OVER PROTECTION	2 post Standard foldable ROPS certified per ISO/DIS 21299.2 specifications	Cab ROPS certified
SAFETY	Complies with American National Standards Institute (ANSI B71.4-2004)	
CERTIFICATION	Certified to meet SAE J2258. Certified to meet ISO/DIS 21299 for ROPS. Engine meets all applicable emission standards per the manufacturer. Certified to meet C-Tick 2004/108/EC/(EMC). Certified to meet the CE Machinery Directive.	
WARRANTY	Two year limited	
DIMENSIONS & WEIGHT WITH CUTTING DECKS		
HEIGHT ROPS UP	78" (198 cm)	
OVERALL LENGTH	91.5" (232 cm)	
OVERALL WIDTH	78" (198 cm) [72" (183 cm) base deck] / 75" (191 cm) [72" (183 cm) side discharge deck] / 55" (140 cm) wheel to wheel	
WHEELBASE	57" (145 cm)	
EST. SHIPPING WEIGHT	2,522 lbs. (1145 kg)	

PART NUMBER	GROUNDMASTER 360 ATTACHMENTS AND ACCESSORIES
AIR RIDE GRAMMER SEAT	Air ride suspension and vinyl cushions. Model 30511.
SPARK ARRESTOR KIT	Part No. 119-8018
SPEED REDUCTION KIT	Model 30547
ROTATING BEACON KIT	Part No. 120-0256
BIMINI CANVAS SHADE	Model 30358
UNIVERSAL MOUNT SUNSHADE	Model 30349
DIFFERENTIAL LOCK	Model 30508
NORTH AMERICA ROAD LIGHT KIT	Includes headlights, red/amber flashers, turn signals and one rear work light. Model 30513
SMV SIGN KIT	Part No. 115-0014

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.

The Groundsmaster 360 is manufactured in Tomah, WI ISO 9002 Certified Plant.



Groundsmaster® 360 2WD Specifications*



	CUTTING DECKS
HEIGHT OF CUT	1"-6" (25 - 152 mm) adjustable in 0.25" (6 mm) increments
72" SIDE DISCHARGE CONST.	7-gauge (4.5 mm) 5.5" steel (14 cm) deep; welded deck with grass discharged on the right side. An 5/16" (8 mm) thick rubber discharge chute covers the discharge opening to limit the throw distance of clippings.
72" BASE DECK CONST.	7-gauge (4.5 mm) 4.25" steel (11 cm) deep; welded deck. Requires Guardian® Recycler® or rear discharge completion kit.
FINE CUT GUARDIAN® COMPLETION KIT	Three deflectors inside the chamber redirect clippings that are elevated in the chambers so that they are cut and re-cut. Deck chambers prevent throwing of objects out from deck.
SPINDLE ASSEMBLY	Ductile cast iron 9" (23 cm) diameter conical spindle housing; Dual greaseable tapered roller bearings; Spindle shaft is 1.25" (3.2 cm) diameter, solid cold finished steel, and splined connection between spindle shaft and pulley; Welded blade retainer plus anti-scalp cups.
CUTTER DRIVE	Isolation mounted, splined PTO-driven gearbox transfers power to three separate spindles via two separate "B" section belts.
BLADES	Three 0.25" (6 mm) thick, 2.5" (63 mm) wide, heat-treated steel blades.
DECK SUSPENSION	Frame which supports deck via 4 vertically suspended chains. Front drag links provide fore/aft and left/right stability. Hydraulic deck lift includes load holding check valves and gravity lower. Weight transfer system consisting of two torsion springs counterbalances some cutting deck weight to reduce turf damage.
BELT IDLER	Spring loaded (torsion) idler.
DECK SKID	Replaceable, bolt-on, non-marking UHMW skid on both sides for Base decks and on left side on side discharge decks. Interchangeable left to right on base decks.
ANTI-SCALP CUPS	Anti-scalp cup located on each blade spindle.

	DECK OPTIONS	
WIDTH OF CUT	Base: 72" (183 cm) with Guardian® kit, fine cut Guardian kit, or rear discharge kit	Side Discharge (non-CE): 72" (183 cm)
BLADE TIP SPEED @ 3250 ENGINE RPM	16,000 ft ± 1,000 ft./min (4877 m ± 305 m/min)	18,000 ft ± 1,000 ft./min (5486 m ± 305 m/min)
RUBBER DISCHARGE CHUTE	NA	Yes, 5/16" (8 mm) thick
CUTTING DECK DEPTH	4.25" (108 mm)	5.5" (140 mm)
DECK ANTI-SCALP ROLLERS	4	5
BUMPER SKIDS	2	1

	CUTTING DECK SPECIFIC ACCESSORIES FOR 72" SIDE DISCHARGE DECK (NON-CE)
RECYCLER KIT	Model 30347
LEAF MULCHING KIT	Part No. 108-5273
MEDIUM FLOW BLADE	Part No. 110-0621-03
HIGH FLOW BLADE	Part No. 110-0622-03
ATOMIC MULCHING BLADE	Part No. 110-0624-03
BLADE AND BELT KIT	Part No. 105-7272

	CUTTING DECK SPECIFIC ACCESSORIES FOR 72" BASE DECK
72" FINE CUT GUARDIAN RECYCLER COMPLETION KIT	Model 30346
72" GUARDIAN RECYCLER COMPLETION KIT	Model 30304
72" REAR DISCHARGE COMPLETION KIT	Model 30549
STANDARD BLADE	Part No. 108-1958
FLAT BLADE	(72" Rear Discharge Guardian Deck Only) Part No. 112-9586
TALL GRASS BAFFLE KIT	Improves cut of tall grass with seed heads. Part No. 105-7269
STANDARD BLADE & BELT KIT	Part No. 105-7271

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